

KEY IMAGE DISPLAY METHOD FOR OPTICAL TOUCH SWITCH DEVICE

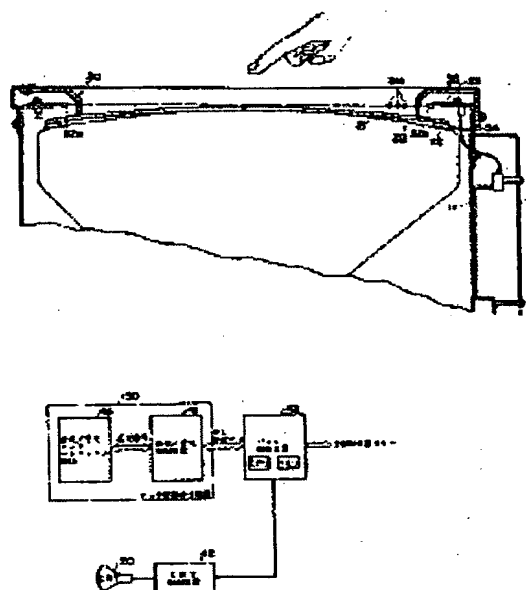
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Abstract of JP63187726

PURPOSE: To prevent the erroneous operation of finger input by arranging touch switch areas, where light should be intercepted, at intervals different between the center part and the peripheral part of a CRT when switch images of high density which can be inputted with fingers are displayed on the display screen of the CRT.

CONSTITUTION: When an operator touches a protective plate 21 with his finger, optical paths between one or plural pairs of light projecting and receiving elements 31a and 31b in the X direction and between one or plural pairs of light projecting and receiving elements 32a and 32b in the Y direction in the touch position are intercepted, and the light interception detection signal is inputted to a light projection/reception controller 41 from a light projection/reception sensor matrix circuit 40. If the interval between the touched key image and the key image on this side of the touched key image is short, it may be erroneously detected that the key image on this side of the touched key image is touched; but the occurrence of erroneous detection is reduced because the interval between optical paths of pairs of light projecting/receiving elements and the protective plate is short in the center part on the screen. The interval between optical paths of pairs of light projecting/receiving elements and the protective plate 21 to be touched in a touch position detector 30 is extended toward the periphery of the CRT screen. Thus, erroneous input is prevented.



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